

**What is claimed is:-**

1. An electronic apparatus comprising:  
first and second body portions movable between an open configuration and  
5 a closed configuration;  
a speaker having a permanent magnet in the first portion; and  
a magnetic field sensor in the second portion,  
wherein the magnetic field sensor is positioned so as to detect the magnetic  
field of the speaker when the apparatus is in its closed configuration.  
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2. An apparatus according to claim 1, comprising an audio signal source  
connected to the speaker for driving the speaker to generate acoustic signals.
3. An apparatus according to claim 1, comprising processing means operable in  
15 a first mode and a second mode, responsive to the output of the magnetic field  
sensor for switching between said mode in accordance with whether the apparatus is  
in its open or closed configuration.
4. An apparatus according to claim 3, comprising an audio signal source  
20 connected to the speaker for driving the speaker to generate acoustic signals.
5. An apparatus according to claim 4, wherein the first mode is a standby mode  
and the second mode is an operational mode.
- 25 6. An electronic apparatus comprising:  
first and second body portions coupled by a hinge and pivotable between an  
open configuration and a closed configuration;  
a speaker having a permanent magnet in the first portion; and  
a magnetic field sensor in the second portion,  
30 wherein the magnetic field sensor is positioned so as to detect the magnetic  
field of the speaker when the apparatus is in its closed configuration.

7. An apparatus according to claim 6, comprising an audio signal source connected to the speaker for driving the speaker to generate acoustic signals.
8. An apparatus according to claim 6, comprising processing means operable in  
5 a first mode and a second mode, responsive to the output of the magnetic field sensor for switching between said mode in accordance with whether the apparatus is in its open or closed configuration.
9. An apparatus according to claim 8, comprising an audio signal source  
10 connected to the speaker for driving the speaker to generate acoustic signals.
10. An apparatus according to claim 9, wherein the first mode is a standby mode and the second mode is an operational mode.
11. A mobile communication apparatus comprising:  
15 first and second body portions movable between an open configuration and a closed configuration;  
a speaker having a permanent magnet in the first portion; and  
a magnetic field sensor in the second portion,  
20 wherein the magnetic field sensor is positioned so as to detect the magnetic field of the speaker when the apparatus is in its closed configuration.
12. An apparatus according to claim 11, comprising an audio signal source connected to the speaker for driving the speaker to generate acoustic signals.  
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13. An apparatus according to claim 11, comprising processing means operable in a first mode and a second mode, responsive to the output of the magnetic field sensor for switching between said mode in accordance with whether the apparatus is in its open or closed configuration.  
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14. An apparatus according to claim 13, comprising an audio signal source connected to the speaker for driving the speaker to generate acoustic signals.

15. An apparatus according to claim 14, wherein the first mode is a standby mode and the second mode is an operational mode.

16. An apparatus according to claim 15, wherein the processing means is  
5 configured to supply no, reduced or intermittent power to certain elements of the phone in the standby mode.

17. An electronic apparatus comprising:  
first and second body portions coupled by a hinge and pivotable between an  
10 open configuration and a closed configuration;  
a speaker having a permanent magnet in the first portion; and  
a magnetic field sensor in the second portion,  
wherein the magnetic field sensor is positioned so as to detect the magnetic  
field of the speaker when the apparatus is in its closed configuration.

15 18. An apparatus according to claim 17, comprising an audio signal source connected to the speaker for driving the speaker to generate acoustic signals.

19. An apparatus according to claim 17, comprising processing means operable  
20 in a first mode and a second mode, responsive to the output of the magnetic field sensor for switching between said mode in accordance with whether the apparatus is in its open or closed configuration.

20. An apparatus according to claim 19, comprising an audio signal source  
25 connected to the speaker for driving the speaker to generate acoustic signals.

21. An apparatus according to claim 20, wherein the first mode is a standby mode and the second mode is an operational mode.